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NC

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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00/110,084

02/12/99

CHANG

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ADD-001

11442/1139

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EXAMINER

NO. 11442/1139

ART UNIT

PAPER NUMBER

2951

DATE MAILED:

12/02/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.  
**09/266,834**

Applicant(s)  
**Chang et al.**

Examiner  
**William C. Dowling**

Group Art Unit  
**2851**



☒ Responsive to communication(s) filed on Mar 12, 1999

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

☒ Claim(s) 1-22 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1, 4-15, 20, and 22 is/are rejected.

☒ Claim(s) 2, 3, 16-19, and 21 is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been  
☒ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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1. Claims 14-19 were inadvertently and erroneously canceled in the submitted specification.

Although these claims have been acted upon in the current Office action it is requested of applicant that a copy of these claims be submitted with any amendment in order to have a clean (not crossed out) copy of these claims.

2. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g).

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 22 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 22 is indefinite because it is not clear what angle is being claimed. It appears from figure 2 that the claimed angle between a normal of the image module (50) and the optical axis of the second lens set (46) is an orthogonal one. Please particularly point out where this claimed angle is illustrated and defined.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who

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has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

6. Claims 1, 4-7, 9-15, 20 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Stark et al..

Stark et al. disclose an optical arrangement for a projection device comprising:

a light source (32) having a reflector (38);

a reflective image module (50) with individually controllable mirror elements;

a first lens set (48);

a reflective mirror (46) for reflecting light through the first lens set;

a second lens set (44) for shortening the light path.

Color wheel (42) is positioned before lens set (44).

Lens (40) may be interpreted as a third lens set or alternately as part of a lens set with lens (44).

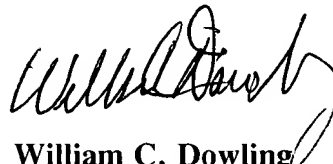
7. Claims 1, 8 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Doany.

8. Claims 2-3, 21 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2<sup>nd</sup> paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Dowling whose telephone number is (703) 308-1287. The examiner can normally be reached on Monday - Thursday from 6:30 to 4:00 Eastern time.

wcd  
December 16, 1999



**William C. Dowling**  
**Primary Examiner**  
**Art Unit 2851**